



Washington State
County Road Administration Board

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TO: Mobility Users

FROM: Crab Mobility Team

SUBJECT: Mobility 1.5.0 Release Note

MOBILITY 1.5.0 RELEASE NOTES

November 2006

TOPICS

- 1. PAVEMENT MANAGEMENT SYSTEM (PMS)**
- 2. CANNED & CUSTOM REPORTS**
- 3. FEEDBACK REPORT ISSUES & MISC CHANGES**

1. PAVEMENT MANAGEMENT SYSTEM (PMS)

A PMS 'wizard' has been created to enhance the flow and ease of use of the PMS process. The wizard closely resembles the original PMS forms but allows the user to run through the pavement management process from beginning to end in one form. 'PMS Wizard' can be accessed from the Mobility menu bar by clicking on 'PMS'.

There are two new options for viewing PSC records in the Feature List:

Only Most Recent – displays the most recent PSC record for each distinct Surface Condition segment/lanes rated.

Select Year... – allows user to enter a specific year for display in the feature list.

Both of these options are available from the main Mobility menu bar/PMS/PSC View. Previously existing options are still available.

In earlier versions of PMS when the "What Analysis" was run with a decision tree that did not have a rehabilitation for every type of project scenario, a message was displayed informing the user that "One or more projects do not have a matching rehabilitation." This message has been elaborated to show the specific road number(s) and segment(s) that do not have matching rehabilitations. The message can be printed and used to help refine decision trees.

As well as the additions to the user interface, PMS has been extensively tested. Several bugs were found and fixed in this new release. As a result PMS is now functioning accurately and efficiently. There are enhancements that may be added at a later date. Mobility PMS is performing within its' designed scope.

2. CANNED & CUSTOM REPORTS

REPORT SECURITY:

Security has been added to both canned and custom reports to allow access only to those users with "read" or "read/write" permissions for each topic.

CANNED REPORTS:

The 'Canned Reports' menu has been modified to accommodate the many new reports available in this release. Selections are:

Inventories:

This selection includes general reports for road inventory features as well as CLAS reports and the Feature List report. There were no new reports added to this section.

Inventory Maintenance:

This reporting selection features 6 new canned reports to display maintenance records -- one each for Approaches, Culverts, Guardrails, Signs, Street Lights and Striping. Each report allows the user to select several different options, including current inventory versus deleted inventory, historical maintenance records or maintenance action required, selection of the most recent maintenance record or all maintenance records for each inventory and a date range for the maintenance. Only roads with the chosen inventory will be listed for selection in the road list.

Pavement Management:

Three existing PMS-related reports reside in this section (Budget, Network Conditions, and Project List) along with 2 new reports:

Surface Condition Rating Comparison: Compares data from 2 surface rating years. The user can choose specific road(s), function class(es) or pavement rating group(s). The most recent rating year to check and the percent difference between the years are other options for this report.

Rehabilitations and Planned Projects: A variation of the custom 5-year plan report, qPMSRehabs. This version includes Planned Projects and 'Below Must' roads. It is available as a Canned Report or as a view in the Custom Reports. The Canned Report is formatted to export to Excel or screen viewing because of the total width of the report.

Roadlog Data Integrity:

This section was created to contain reports that will assist Roadlog Managers with ensuring data integrity not only within the Roadlog fields but also as the Roadlog fields relate to other Mobility inventories such as Surface History. It is anticipated that these reports will be run periodically to make certain Roadlog data is accurate and up-to-date. The Gaps and Overlaps report was added in the last Mobility release. The new report for this build is:

[Surf History Year > Roadlog Pavement Year](#): This report displays Roadlog and Surface History segments, Roadlog Surface Year, MOST RECENT Surface History Year, Roadlog Surface Type and Surface History Roadlog Category. This data can also be selected from Custom Reports.

CUSTOM REPORTS:

The Custom Report 'Query' screen has 2 additional areas of interest. The new 'Choose Topic(s)' box displays only the topics that the current user has permission to view. Selecting specific topic(s) will display the corresponding view(s) that are available for the chosen topics. When a view is selected, a short description of that view is displayed in an area below the Topic/View/Fields boxes. The process to choose a view, select field(s), modify the query and format the report has not been changed.

qApproaches

qApproachesHistory

Both reports select Approaches fields plus FFC, Jurisdiction, ADT, Thru Lane Surface, Truck Route Classification, and Maintenance Dist from Roadlog. The history report checks for date removed.

qRehabilitations and Planned Projects

A variation of the custom 5-year plan report, qPMSRehabs. This version includes Planned Projects and 'Below Must' roads. It is also available as a Canned Report.

qSignPlateMaintenance

qSignPlateMaintenanceMostRecent

qSignPostMaintenance

qSignPostMaintenanceMostRecent

This collection of Custom Reports is useful for users that want a different format than the corresponding Canned Reports, found in Inventory Maintenance.

qSurfaceHistoryYearGRoadlogPavementYear

Selects most recent surface year in Roadlog and most recent Surface History year. If Roadlog year is less than most recent Surface History year where Surface History BMP >= Roadlog BMP & Surface History BMP < RoadLog EMP, then it is selected. Sorted by road number, Roadlog BMP and Roadlog Pavement Year. This data can also be selected with a Canned Report, found in the Roadlog Data Integrity section.

3. FEEDBACK REPORT ISSUES & MISC CHANGES

Report #

- 537 The Audit Trail dialog box is opened when a Traffic Study changes an ADT to above or below 5,000, the lanes studied are 'All through lanes' and the box for 'Update Road Log' is checked.
- 523 Users can adjust the milepost(s) of any inventory except Projects, CLAS and RoadLog segments. If a milepost is changed in CLAS through Edit Road, the collision will be flagged so it will display when the Canned Report 'CLAS Not Synched With TDO' is run. These records should be updated through the on-line CLCF tool to keep Mobility and TDO records synchronized.
- 599 When navigating through RoadLog segments, the tab selected in the active segment (Cross Section, Structure, Traffic, etc.) will be the tab opened in the next segment selected, whether on the same road or a different road.

Many other feedback report issues have been addressed with this build, but are not listed here because the impact to the user interface is minimal and in most cases, self-explanatory.

MISC CHANGES

Positioning the cursor in the **Feature List** and right clicking will display a box with an option to '**expand**' all reference points. This option will stay in effect until it is de-selected, even when navigating to different roads. This feature can also be selected from the main Mobility menu bar under 'Edit'.

A '**Comment**' field has been added to the **Crashes/Description** screen and Custom Reports with Crash data. Comment fields will be added to most other inventories in future releases.

Thank You for taking the time to read this document. We hope that **Mobility 1.5.0** further enhances your job performance. As always, don't hesitate to call (360.664.3299 X-243) or email mobsupport@crab.wa.gov if you have questions or concerns.